

**WHAT IS CLAIMED IS:**

1. A stabilized OLED device for emitting light of a specific color, comprising:
  - a) a metallic anode and a metallic cathode spaced from the metallic anode;
  - b) a light-emitting layer including a host and a dopant disposed between the anode and the cathode, the dopant selected to produce light having a spectrum containing light of the specific color;
  - c) a stabilizer provided in one of the device layers which improves the useful lifetime of the OLED device, wherein the stabilizer has an emission spectrum different from that of the light-emitting layer, and
  - d) wherein one of the electrode layers is semitransparent and the other one is substantially opaque and reflective such that the stabilized OLED device forms a microcavity that emits a narrow band light with the specific color.
2. The OLED device of claim 1 wherein material for the semitransparent electrode layer includes Ag or Au, or alloys thereof.
3. The OLED device of claim 1 wherein the material for the reflective electrode layer includes Ag, Au, Al, Mg, or Ca, or alloys thereof.
4. The OLED device of claim 1 further including a hole-transporting layer disposed between the anode and the cathode.
5. The OLED device of claim 1 wherein the stabilizer is provided in the light-emitting layer or the hole-transporting layer or both.
6. The OLED device according to claim 1 further including an electron-transporting layer and wherein the stabilizer is provided in such electron-

transporting layer or in the light-emitting layer or in the hole-transporting layer or any combination.

7. The OLED device according to claim 1 wherein the dopant produces blue light.

8. A color-conversion OLED device comprising:

- a) a metallic anode and a metallic cathode spaced from the metallic anode;
- b) a light-emitting layer including a host and a dopant disposed between the anode and the cathode, the dopant selected to produce blue light;
- c) a stabilizer provided in one of the device layers which improves the useful lifetime of the OLED device, wherein the stabilizer has an emission spectrum different from that of the light-emitting layer; and
- d) a color conversion layer including fluorescent material responsive to the blue light to re-emit a different colored light.

9. A color-conversion OLED device of claim 8 wherein material for the semitransparent electrode layer includes Ag or Au, or alloys thereof.

10. The color-conversion OLED device of claim 8 wherein the material for the reflective electrode layer includes Ag, Au, Al, Mg, or Ca, or alloys thereof.